

IN THE CLAIMS

Please amend claims 49 and 50 as follows:

1-20 (Cancelled)

21. (Previously Amended) A hatched chimeric chicken comprised of progeny of embryonic stem cells having a genome comprising a stably integrated transgene wherein expression of the stably integrated transgene is detected in at least one tissue type of the chimeric chicken.

22-25 (Cancelled)

26. (Previously Amended) The chimeric chicken of claim 21 wherein the expression of the stably integrated transgene is detected in extra-embryonic tissue.

27. (Previously Amended) The chimeric chicken of claim 21 wherein the expression of the stably integrated transgene is detected in somatic tissue of the chicken.

28. (Previously Amended) The chimeric chicken of claim 27 wherein the somatic tissue is endodermal.

29. (Previously Amended) The chimeric chicken of claim 27 wherein the somatic tissue is mesodermal.

30. (Previously Amended) The chimeric chicken of claim 21 wherein the mesodermal tissue is lymphocytes of the chicken.

31-40 (Cancelled)

41. (Previously Amended) A method of creating a chimeric chicken comprising:  
selecting chicken embryonic stem cells having a genome comprising a stably integrated transgene from a culture sustained for more than 60 days,  
injecting the embryonic stem cells into a recipient embryo, and

hatching a chimeric chicken from the recipient embryo wherein expression of the stably integrated transgene is detected in at least one tissue type of the chimeric chicken.

42. (Previously Amended) The method of claim 41 wherein the injecting step is comprised of injecting embryonic stem cells into a compromised embryo.

43. (Previously Amended) The method of claim 42 wherein the embryo is compromised by gamma irradiation.

44. (Previously Amended) The method of claim 42 wherein the embryo is compromised by mechanical removal of cells from the embryo.

45. (Previously Amended) The method of claim 41 wherein the expression of the stably integrated transgene is detected in extra-embryonic tissue.

46. (Previously Amended) The method of claim 41 wherein the expression of the stably integrated transgene is detected in somatic tissue.

47. (Previously Amended) The method of claim 46 wherein the somatic tissue is ectodermal.

48. (Previously Amended) The method of claim 46 wherein the tissue is endodermal.

49~~51~~. (Currently Amended) The method of claim 46 wherein the tissue is mesodermal.

50~~52~~. (Currently Amended) The chimeric chicken of claim 27 wherein somatic tissue is ectodermal.